

J.BRUSCA

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,601B

DATE: 03/05/2003

TIME: 12:32:30

Input Set : A:\D2947CIP Sequence 030220.txt
 Output Set: N:\CRF4\03052003\I810601B.raw

3 <110> APPLICANT: Allergan Sales, Inc.
 4 Donovan, Stephen
 6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING GONADOTROPHIN RELATED
 ILLNESSES

8 <130> FILE REFERENCE: D-2947-CIP
 10 <140> CURRENT APPLICATION NUMBER: 09/810,601B
 11 <141> CURRENT FILING DATE: 2001-03-15
 13 <150> PRIOR APPLICATION NUMBER: 09/692,811
 14 <151> PRIOR FILING DATE: 2000-10-20
 16 <160> NUMBER OF SEQ ID NOS: 52
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 10
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
 25 <220> FEATURE:
 26 <221> NAME/KEY: MISC_FEATURE
 27 <222> LOCATION: (1)..(1)
 28 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
 31 <400> SEQUENCE: 1

W--> 33 Xaa His Trp Ser Tyr Gly Leu Arg Pro Gly

34 1 5 10

37 <210> SEQ ID NO: 2

38 <211> LENGTH: 10

39 <212> TYPE: PRT

40 <213> ORGANISM: Artificial Sequence

42 <220> FEATURE:

43 <223> OTHER INFORMATION: Gonadotrophin Release Hormone Analogue

45 <220> FEATURE:

46 <221> NAME/KEY: MISC_FEATURE

47 <222> LOCATION: (1)..(1)

48 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu

51 <220> FEATURE:

52 <221> NAME/KEY: MISC_FEATURE

53 <222> LOCATION: (10)..(10)

54 <223> OTHER INFORMATION: Xaa at position 10 is Gly-NH₂

57 <400> SEQUENCE: 2

W--> 59 Xaa His Trp Ser Tyr Gly Leu Arg Pro Xaa

60 1 5 10

63 <210> SEQ ID NO: 3

64 <211> LENGTH: 9

65 <212> TYPE: PRT

66 <213> ORGANISM: Artificial Sequence

68 <220> FEATURE:

ENTERED

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Input Set : A:\D2947CIP Sequence 030220.txt

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69 <223> OTHER INFORMATION: Gonadotrophin Release Hormone Analogue
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72 <221> NAME/KEY: MISC_FEATURE
73 <222> LOCATION: (1)..(1)
74 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
77 <220> FEATURE:
78 <221> NAME/KEY: MISC_FEATURE
79 <222> LOCATION: (9)..(9)
80 <223> OTHER INFORMATION: Xaa at position 9 is proline-ethylamide
83 <400> SEQUENCE: 3

W--> 85 Xaa His Trp Ser Tyr Gly Leu Arg Xaa

86 1 5
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100 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
103 <220> FEATURE:
104 <221> NAME/KEY: MISC_FEATURE
105 <222> LOCATION: (10)..(10)
106 <223> OTHER INFORMATION: Xaa at position 10 is Aza-Gly-NH2
109 <400> SEQUENCE: 4

W--> 111 Xaa His Trp Ser Tyr Gly Leu Arg Pro Xaa

112 1 5 10
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116 <211> LENGTH: 10
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
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123 <220> FEATURE:
124 <221> NAME/KEY: MISC_FEATURE
125 <222> LOCATION: (1)..(1)
126 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
129 <220> FEATURE:
130 <221> NAME/KEY: MISC_FEATURE
131 <222> LOCATION: (10)..(10)
132 <223> OTHER INFORMATION: Xaa at position 10 is Gly-NH2
135 <400> SEQUENCE: 5

W--> 137 Xaa His Trp Ser Tyr Lys Leu Arg Pro Xaa

138 1 5 10
141 <210> SEQ ID NO: 6
142 <211> LENGTH: 9
143 <212> TYPE: PRT

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Input Set : A:\D2947CIP Sequence 030220.txt
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144 <213> ORGANISM: Artificial Sequence
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147 <223> OTHER INFORMATION: Gonadotrophin Release Hormone Analogue
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152 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
155 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE
157 <222> LOCATION: (9)..(9)
158 <223> OTHER INFORMATION: Xaa at position 9 is proline-ethylamide
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169 <212> TYPE: PRT
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175 <220> FEATURE:
176 <221> NAME/KEY: MISC_FEATURE
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178 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
181 <220> FEATURE:
182 <221> NAME/KEY: MISC_FEATURE
183 <222> LOCATION: (10)..(10)
184 <223> OTHER INFORMATION: Xaa at position 10 is Aza-Gly-NH2
187 <400> SEQUENCE: 7
W--> 189 Xaa His Trp Ser Tyr Lys Leu Arg Pro Xaa
190 1 5 10
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194 <211> LENGTH: 10
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
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202 <221> NAME/KEY: MISC_FEATURE
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204 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
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208 <221> NAME/KEY: MISC_FEATURE
209 <222> LOCATION: (6)..(6)
210 <223> OTHER INFORMATION: Xaa at position 6 is D-Lys
213 <220> FEATURE:
214 <221> NAME/KEY: MISC_FEATURE
215 <222> LOCATION: (10)..(10)
216 <223> OTHER INFORMATION: Xaa at position 10 is Gly-NH2

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Input Set : A:\D2947CIP Sequence 030220.txt

Output Set: N:\CRF4\03052003\I810601B.raw

219 <400> SEQUENCE: 8
W--> 221 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Xaa
222 1 5 10
225 <210> SEQ ID NO: 9
226 <211> LENGTH: 9
227 <212> TYPE: PRT
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233 <220> FEATURE:
234 <221> NAME/KEY: MISC_FEATURE
235 <222> LOCATION: (1)..(1)
236 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
239 <220> FEATURE:
240 <221> NAME/KEY: MISC_FEATURE
241 <222> LOCATION: (6)..(6)
242 <223> OTHER INFORMATION: Xaa at position 6 is D-Lys
245 <220> FEATURE:
246 <221> NAME/KEY: MISC_FEATURE
247 <222> LOCATION: (9)..(9)
248 <223> OTHER INFORMATION: Xaa at position 9 is proline-ethylamide
251 <400> SEQUENCE: 9
W--> 253 Xaa His Trp Ser Tyr Xaa Leu Arg Xaa
254 1 5
257 <210> SEQ ID NO: 10
258 <211> LENGTH: 10
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Gonadotrophin Release Hormone Analogue
265 <220> FEATURE:
266 <221> NAME/KEY: MISC_FEATURE
267 <222> LOCATION: (1)..(1)
268 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (6)..(6)
274 <223> OTHER INFORMATION: Xaa at position 6 is D-Lys
277 <220> FEATURE:
278 <221> NAME/KEY: MISC_FEATURE
279 <222> LOCATION: (10)..(10)
280 <223> OTHER INFORMATION: Xaa at position 10 is Aza-Gly-NH2
283 <400> SEQUENCE: 10
W--> 285 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Xaa
286 1 5 10
289 <210> SEQ ID NO: 11
290 <211> LENGTH: 10
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence

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Input Set : A:\D2947CIP Sequence 030220.txt
Output Set: N:\CRF4\03052003\I810601B.raw

294 <220> FEATURE:
295 <223> OTHER INFORMATION: Gonadotrophin Release Hormone Analogue
297 <220> FEATURE:
298 <221> NAME/KEY: MISC_FEATURE
299 <222> LOCATION: (1)..(1)
300 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
303 <220> FEATURE:
304 <221> NAME/KEY: MISC_FEATURE
305 <222> LOCATION: (6)..(6)
306 <223> OTHER INFORMATION: Xaa at position 6 is Ornithine
309 <220> FEATURE:
310 <221> NAME/KEY: MISC_FEATURE
311 <222> LOCATION: (10)..(10)
312 <223> OTHER INFORMATION: Xaa at position 10 is Gly-NH2
315 <400> SEQUENCE: 11
W--> 317 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Xaa
318 1 5 10
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324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
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329 <220> FEATURE:
330 <221> NAME/KEY: MISC_FEATURE
331 <222> LOCATION: (1)..(1)
332 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
335 <220> FEATURE:
336 <221> NAME/KEY: MISC_FEATURE
337 <222> LOCATION: (6)..(6)
338 <223> OTHER INFORMATION: Xaa at position 6 is Ornithine
341 <220> FEATURE:
342 <221> NAME/KEY: MISC_FEATURE
343 <222> LOCATION: (9)..(9)
344 <223> OTHER INFORMATION: Xaa at position 9 is proline-ethylamide
347 <400> SEQUENCE: 12
W--> 349 Xaa His Trp Ser Tyr Xaa Leu Arg Xaa
350 1 5
353 <210> SEQ ID NO: 13
354 <211> LENGTH: 10
355 <212> TYPE: PRT
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: Gonadotrophin Release Hormone Analogue
361 <220> FEATURE:
362 <221> NAME/KEY: MISC_FEATURE
363 <222> LOCATION: (1)..(1)
364 <223> OTHER INFORMATION: Xaa at position 1 is PyroGlu
367 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/05/2003
PATENT APPLICATION: US/09/810,601B TIME: 12:32:31

Input Set : A:\D2947CIP Sequence 030220.txt
Output Set: N:\CRF4\03052003\I810601B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1
Seq#:2; Xaa Pos. 1,10
Seq#:3; Xaa Pos. 1,9
Seq#:4; Xaa Pos. 1,10
Seq#:5; Xaa Pos. 1,10
Seq#:6; Xaa Pos. 1,9
Seq#:7; Xaa Pos. 1,10
Seq#:8; Xaa Pos. 1,6,10
Seq#:9; Xaa Pos. 1,6,9
Seq#:10; Xaa Pos. 1,6,10
Seq#:11; Xaa Pos. 1,6,10
Seq#:12; Xaa Pos. 1,6,9
Seq#:13; Xaa Pos. 1,6,10
Seq#:14; Xaa Pos. 1,6,10
Seq#:15; Xaa Pos. 1,6,9
Seq#:16; Xaa Pos. 1,6,10
Seq#:17; Xaa Pos. 1,10
Seq#:18; Xaa Pos. 1,9
Seq#:19; Xaa Pos. 1,10
Seq#:20; Xaa Pos. 1,6,10
Seq#:21; Xaa Pos. 1,6,9
Seq#:22; Xaa Pos. 1,6,10
Seq#:23; Xaa Pos. 1,10
Seq#:24; Xaa Pos. 1,9
Seq#:25; Xaa Pos. 1,10
Seq#:26; Xaa Pos. 1,6,10
Seq#:27; Xaa Pos. 1,6,9
Seq#:28; Xaa Pos. 1,6,10
Seq#:29; Xaa Pos. 1,10
Seq#:30; Xaa Pos. 1,9
Seq#:31; Xaa Pos. 1,10
Seq#:32; Xaa Pos. 1,6,10
Seq#:33; Xaa Pos. 1,6,9
Seq#:34; Xaa Pos. 1,6,10
Seq#:35; Xaa Pos. 1,10
Seq#:36; Xaa Pos. 1,9
Seq#:37; Xaa Pos. 1,10
Seq#:38; Xaa Pos. 1,6,10
Seq#:39; Xaa Pos. 1,6,9
Seq#:40; Xaa Pos. 1,6,10
Seq#:46; Xaa Pos. 1,6,9
Seq#:51; Xaa Pos. 2,3,5

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/810,601B

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Input Set : A:\D2947CIP Sequence 030220.txt

Output Set: N:\CRF4\03052003\I810601B.raw

L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0